

CSCI Review

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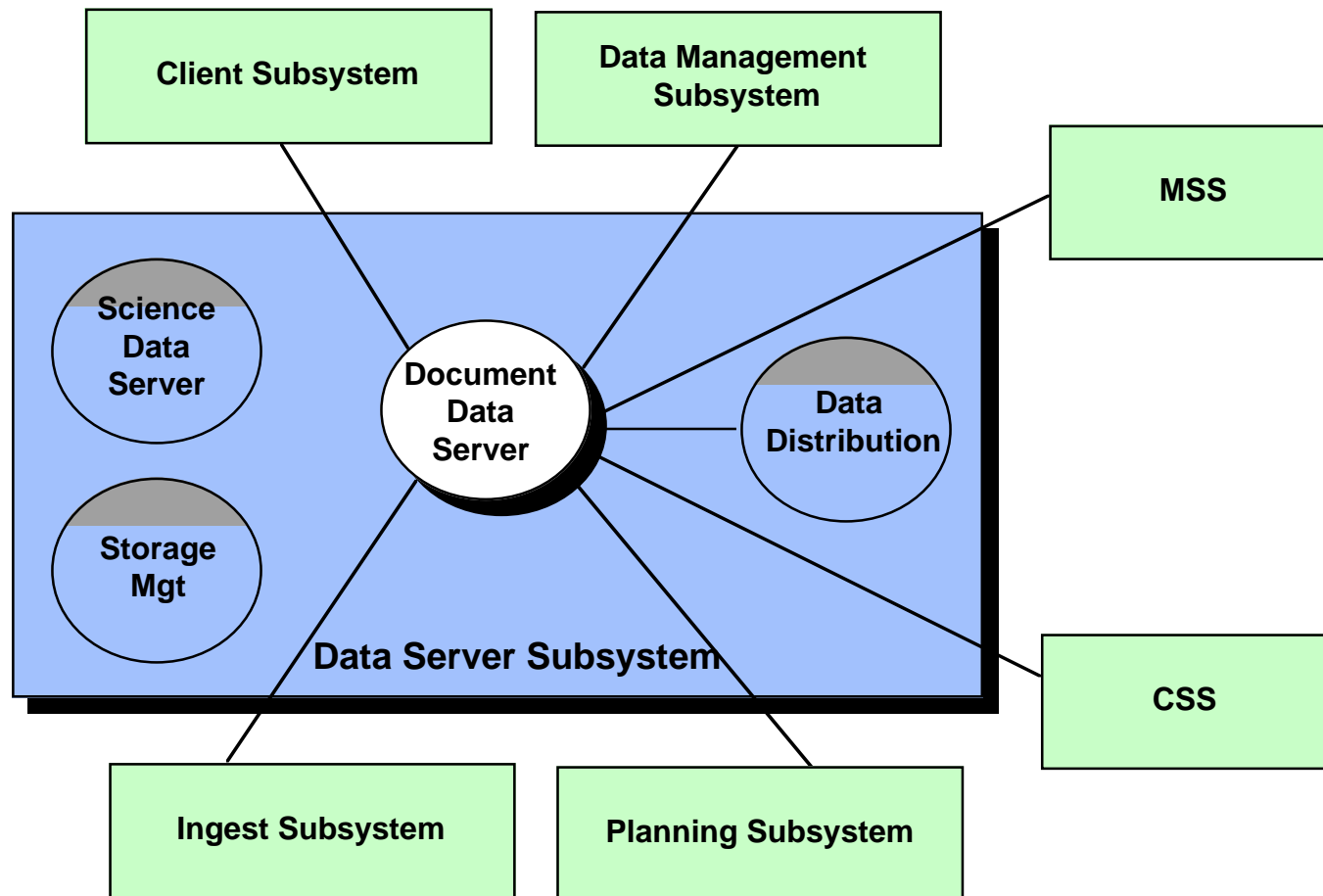
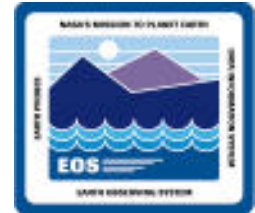
Agenda



- Context**

- Release B Capabilities**
- Software CSCs**
- COTS Selections**
- High Level HW/SW Physical Design**
- Detailed HW/SW Architecture**
- Status of Design Topics**
- Detailed Design**

ECS Release B 3DR - DDSRV Context



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ECS Release B 3DR - DDSRV Release B Capabilities



Additional Document Formats

Word

Interleaf

Wordperfect

Sizing for Additional Products

Additional System Management Reporting

Collection of Fault Management Data

Collection of Performance Data

Agenda



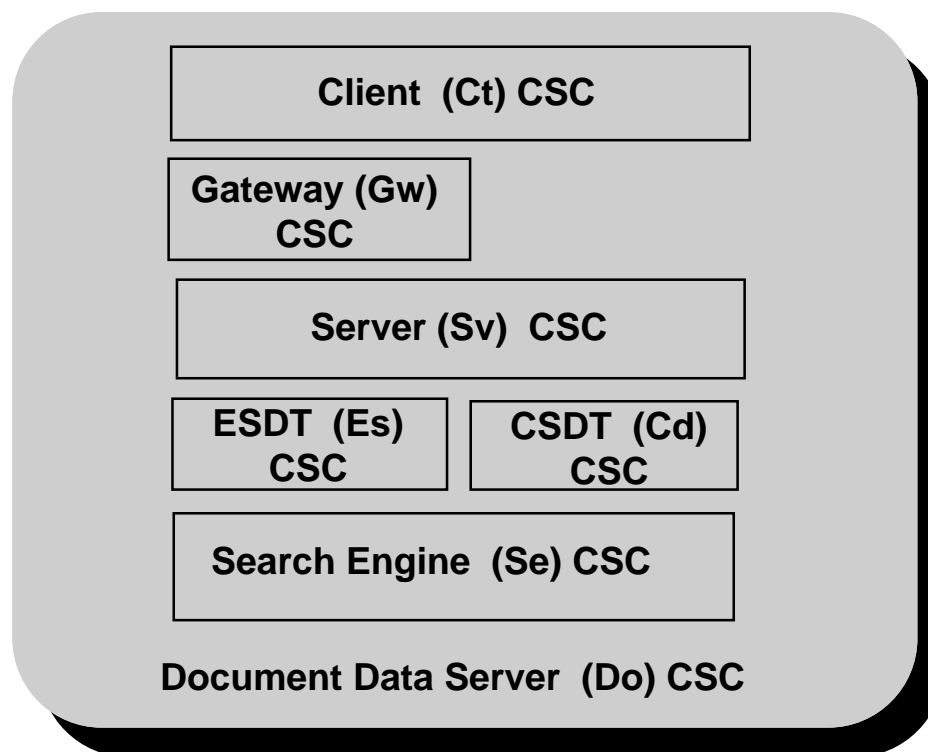
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ECS Release B 3DR - DDSRV Software CSCs



Document Data Server Class Categories :

- Document Data Server
- Client
- Gateway
- ESDT
- CSDT
- Server
- Search Engine



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ECS Release B 3DR - DDSRV COTS Selections



- **DDSRV inherits Release A COTS selections**

Web Server

Netscape Commerce Server

Document Repository

Illustra Server

Text Search Engine

TOPIC by Verity, Inc.

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ECS Release B 3DR - DDSRV

High Level HW/SW Physical Design



4 Processes in DDSRVHW

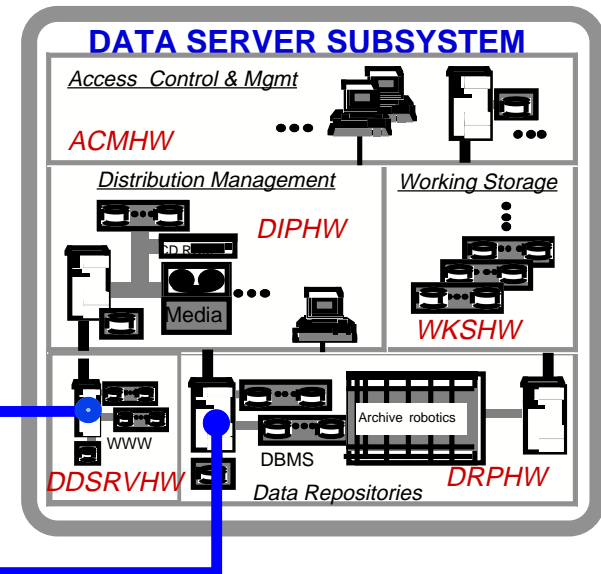
- Web Server
 - HTTP server and CGI scripts
 - Search Engine CSC
- Gateway Server
 - HTTP Gateway and CGI scripts
 - Search Engine, Client, Gateway CSC
- Document Data Server
 - Utilizes distributed objects framework
 - Server CSC, ESDT, CSDT CSC
- Text Search Engine
 - Search Engine CSC

1 Process in DRPHW

- Document Repository
 - Storage and on-line distribution
 - Search Engine CSC

1 Library

- Client Applications
 - Public Classes Library
 - Client CSC



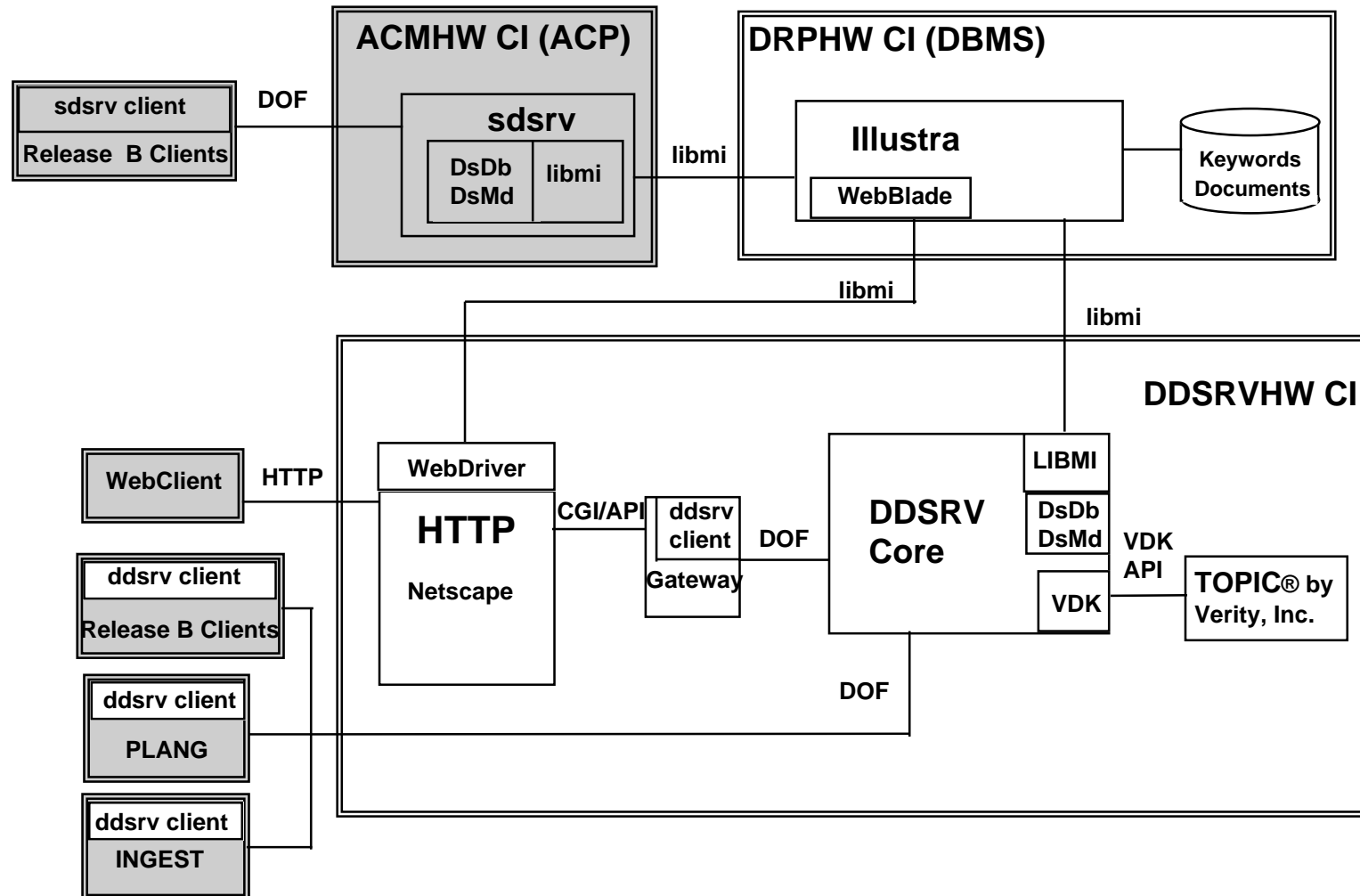
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ECS Release B 3DR - DDSRV

Detailed HW/SW Architecture



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ECS Release B 3DR - DDSRV

Status of Design Topics



RID#5 Meeting Action Items

Action Item	Title	Description	Assignment	Contact	Due Date	Comments
3	Guidelines for Documents	What are the guidelines for document processing at the DAACs? Who is responsible for it? What pre-processing will be required? Need rules and tools for document ingest?	ESDIS	Olsen	DDM #3	Closed at 5/17 Meeting. Jeannie will send the appropriate correspondence to Lyn Olsen
25	How Will Documents be Stored in DB?	Describe how documents are to be stored in the dbms (by CDR).	CDR	SDSRV	17-May	Closed at CDR.

ECS Release B 3DR - DDSRV

Detailed Design Inspection



ACTION ITEM	DESCRIPTION	STATUS
1	Update the OMT diagram for the Search Engine CSC (DsSe) to include a class for the Text Search functionality. (E. Nakamura)	Closed to Errata. Diagram updated.
2	Show the ESDT CSC with methods that invoke the COTS API. (D. Vaughan)	Closed. The invocation of services from COTS APIs will continue to remain encapsulated within the methods modeled in the current design.
3	Add the inheritance associations between the classes in DsDo and its child classes. (B Peavey)	Closed to Errata. Diagram updated.
4	Add the ESDT - CSDT association with multiplicity of 1 to many. (J. Behnke)	Closed to Errata. Diagram updated.
5	Show constructors and destructors in the Insert Document event trace diagram. (D. Vaughan)	Closed to Errata.
6	Verify that ESDTs represented in CSCs are in 311 document. (J. Hylton)	Closed. Verified with the 311-CD-002-004.
COMMENT	DESCRIPTION	STATUS
1	In DsEsESDT, text indexing is done at Insert, however it is not shown explicitly. Investigate whether the method to perform the text indexing can continue to be encapsulated as part of "Insert_Doc", in which case PDL would be desired, or should it be modeled as a private method. (B Peavey)	Comment accepted.
2	Investigate if two HW CIs, DRPHW and DDSRVHW can be combined. (B Peavey)	Comment accepted.

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Detailed Design Inspection



ACTION ITEM	DESCRIPTION	STATUS
1	Page 92 Suspend_Server_Side: Step 4: Return_Request_Status, arrow should come from DsShRequestReal	Closed to Errata. Figure 4.5.28 updated.
2	Page 93 - Resuming_Session_Server_Side : Switch step 5 & 6.	Closed to Errata. Figure 4.5.30 updated.
3	Page 93 - Resuming_Session_Server_Side : change step 5 from Reconstructing_a_Ge_Suspended_Object to Restoring_Server_Side_Session	Closed to Errata. Figure 4.5.30 updated.
4	Page 69 - Resume_Session_Client_Side: Step 7 is Resume_Server_Side and add step 8: Restoring_Client_Side_of_Session	Closed to Errata. Figure 4.5.29 updated.
5	Page 94 - Reconstructing_a_Ge_Suspended_Object: Remove step 10.	Closed to Errata. Figure 4.5.31 updated.
6	Page 95 - Restoring_Server_Side_Session: Remove step 9 & 10.	Closed to Errata. Figure 4.5.32 updated.
7	Page 70 - Restoring_Client_Side_Session_State: Step 3 should be GetResult and the arrow should stop at DsCiRequest.	Closed to Errata. Figure 4.5.33 updated.
8	Page 70 - Step 8 the arrow should stop at DsCiRequest	Closed to Errata. Figure 4.5.33 updated.
9	Page 70 - Remove ECSNETWORK and replace it with DsSrSession.	Closed to Errata. Figure 4.5.33 updated.

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